

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 1. (Currently Amended) A computer program product for use with a
2 computer that includes a communication interface for sending and receiving information over a
3 communication network and that is connected to an uninterruptible power supply (UPS) that
4 monitors and supplies information regarding power status associated with the UPS, the computer
5 program product residing on a computer-readable medium and comprising computer-executable
6 instructions for causing the computer to:

7 process data received from the UPS to which the computer is coupled to produce
8 indicia of changes in power status associated with the UPS;

9 provide the indicia of changes in power status associated with the UPS to the
10 communication interface destined for a remote device; ~~and~~

11 provide geographic information associated with the indicia of changes in power
12 status that indicates a geographic location associated with the UPS; and

13 process information received via the communication interface to display at least
14 one of (1) a quantity of UPSs experiencing power failures in the geographic location, (2) a
15 relative quantity of UPSs experiencing power failures in the geographic location, and (3) a
16 percentage of UPSs experiencing power failures in the geographic location.

1 2. (Original) The computer program product of claim 1 further comprising
2 instructions for causing the computer to process data entered by a user of the computer to
3 produce the geographic information.

1 3. (Original) The computer program product of claim 1 further comprising
2 instructions for causing the computer to process external power-status information received via
3 the communication interface and to display indicia of power status and at least one geographic

4 region associated with the indicia of power status in accordance with the processed external
5 power-status information.

1 4. (Original) The computer program product of claim 3 further comprising
2 instructions for causing the computer to display indicia of weather condition associated with
3 each of the at least one geographic region.

1 5. (Original) The computer program product of claim 3 further comprising
2 instructions for causing the computer to store data regarding changes in power status for
3 historical display associated with at least one period of time.

1 6. (Canceled)

1 7. (Currently Amended) An apparatus for communicating via a
2 communication network with multiple remote devices connected to uninterruptible power
3 supplies (UPSs) that monitor and supply information regarding power status associated with the
4 UPSs, the apparatus comprising:
5 a communication interface configured to transfer data with the communication
6 network; and
7 a processor coupled to the communication interface and configured to:
8 collect power-status data and associated geographic data received from the
9 remote devices via the communication interface, the power-status data indicating power status of
10 the UPSs associated with the remote devices providing the power-status data, the geographic
11 data indicating geographic locations associated with the UPSs;
12 analyze the power-status data and associated geographic data to determine
13 power status of geographic regions indicated by the geographic data in accordance with the
14 corresponding power-status data; ~~and~~
15 send indicia of the determined power status of at least one geographic
16 region toward at least one of the remote devices via the communication network; and

17 determine and send toward at least one of the remote devices indicia of at
18 least one of (1) a quantity of UPSs experiencing power failures in the at least one geographic
19 location, (2) a relative quantity of UPSs experiencing power failures in the at least one
20 geographic location, and (3) a percentage of UPSs experiencing power failures in the at least one
21 geographic location.

1 8. (Original) The apparatus of claim 7 wherein the processor is configured to
2 collect weather data for each region and to provide indicia of the weather for the at least one
3 geographic region to the at least one of the remote devices.

1 9. (Original) The apparatus of claim 7 wherein the processor is further
2 configured to store the determined power status and to provide historical power status for the at
3 least one geographical region.

1 10. (Canceled)

1 11. (Original) The apparatus of claim 7 wherein the processor is configured to
2 send the determined power status data at least one of periodically and in response to a received
3 indication of a power status change from at least one of the remote devices.

1 12. (Original) The apparatus of claim 7 wherein the processor is further
2 configured to monitor heartbeat signals from the remote devices and provide indicia of failures if
3 the processor fails to detect at least one heartbeat signal in a threshold amount of time.

1 13. (Currently Amended) A method of indicating power status in multiple
2 geographic regions, the method comprising:

3 receiving, at a plurality of devices, indicia of power status from multiple
4 uninterruptible power supplies (UPSs) coupled to the devices, the indicia of power status
5 including geographic information indicating multiple geographic regions associated with the
6 respective UPSs;

7 determining power-status data from the received indicia;

8 receiving power-status data from the plurality of devices coupled to the UPSs via
9 a communication network;

10 analyzing the power-status data according to the multiple geographic regions
11 associated with the power-status data; and

12 sending indicia of power status associated with the multiple geographic regions
13 toward at least one of the plurality of devices via the communication network, the indicia of
14 power status including indicia of at least one of (1) quantities of UPSs experiencing power
15 failures in the geographic regions, (2) relative quantities of UPSs experiencing power failures in
16 the geographic regions, and (3) percentages of UPSs experiencing power failures in the
17 geographic regions.

1 14. (Original) The method of claim 13 further comprising determining
2 weather for the multiple geographic regions and sending indicia of the weather in the respective
3 regions toward at least one of the plurality of devices via the communication network.

1 15. (Original) The method of claim 13 wherein the sending occurs at least one
2 of periodically, in response to receiving an indication of a power-status change from at least one
3 of the plurality of devices, and on demand by a user-initiated action.

1 16. (Original) The method of claim 13 further comprising displaying the
2 indicia of power status at the at least one of the plurality of devices to indicate power status of
3 the multiple geographic regions.

1 17. (Original) The method of claim 16 wherein the displaying comprises
2 displaying a map of the multiple geographic regions and associated indicia of power status.

1 18. (Original) The method of claim 13 further comprising displaying the
2 indicia of power status at the at least one of the plurality of devices to indicate power status of at
3 least one of the multiple geographic regions in any of a variety of resolutions of geography.

1 19. (Currently Amended) The method of claim 18 wherein the displaying
2 comprises further comprising displaying at least one of a number and a percentage of UPSs of in
3 the at least one of the multiple geographic regions ~~region~~ whose ~~power is~~ powers are anomalous.

1 20. (Original) The method of claim 13 further comprising displaying the
2 indicia of power status at the at least one of the plurality of devices to show power status over
3 any of a selected variety of historical time periods.

1 21. (Original) The method of claim 13 further comprising sending an
2 indication to a selected one of the plurality of devices indicating a local power anomaly in
3 response to determining that relatively few power anomalies are associated with a geographic
4 region associated with the selected device.

1 22. (Currently Amended) In combination:
2 an uninterruptible power supply (UPS); and
3 a device for use with a communication interface for sending and receiving
4 information over a communication network, the device being configured to:
5 determine, from information received from the UPS, indicia of power
6 status at the UPS;
7 provide indicia of changes in power status at the UPS to the
8 communication interface destined for a remote server; and
9 provide geographic information associated with the indicia of changes in
10 power status that indicates a geographic location of the UPS; and
11 process information received via the communication interface to display at
12 least one of (1) a quantity of UPSs experiencing power failures in the geographic location, (2) a
13 relative quantity of UPSs experiencing power failures in the geographic location, and (3) a
14 percentage of UPSs experiencing power failures in the geographic location.

1 23. (Original) The combination of claim 22 wherein the device comprises a
2 computer program product residing on a computer-readable medium and comprising computer-

3 readable and computer-executable instructions for causing a computer to provide the indicia and
4 to provide the geographic information.

1 24. (Original) The combination of claim 22 wherein the device comprises a
2 card configured to be physically and electrically coupled to the UPS and includes the
3 communication interface.

1 25. (Previously presented) The computer program product of claim 1 wherein
2 the geographic information is a physical location, global positioning satellite coordinates, a street
3 address, a ZIP CODE, a city, a county, a state, a country, or a power grid used by the UPS.

1 26. (Previously presented) The apparatus of claim 7 wherein the geographic
2 data is a physical location, global positioning satellite coordinates, a street address, a ZIP CODE,
3 a city, a county, a state, a country, or a power grid used by the UPS.

1 27. (Previously presented) The method of claim 13 wherein receiving, at the
2 plurality of device, indicia of power status from the multiple UPSs includes receiving
3 information indicative of a physical location, global positioning satellite coordinates, a street
4 address, a ZIP CODE, a city, a county, a state, a country, or a power grid used by the UPS.

1 28. (Previously presented) The combination of claim 22 wherein the
2 geographic information includes information indicative of a physical location, global positioning
3 satellite coordinates, a street address, a ZIP CODE, a city, a county, a state, a country, or a power
4 grid used by the UPS.

1 29. (Currently Amended) An apparatus comprising:
2 an uninterruptible power supply (UPS); and
3 a device for use with a communication interface for sending and receiving
4 information over a communication network, the device being configured to:
5 determine, from information received from the UPS, indicia of power
6 status at the UPS;

7 provide indicia of changes in power status at the UPS to the
8 communication interface destined for a remote server;
9 prompt a user to provide geographic information to the device that
10 indicates a geographic location of the UPS;
11 associate the geographic information with the indicia of changes in power
12 status at the UPS; and
13 provide the geographic information, that indicates the geographic location
14 of the UPS, associated with the indicia of changes in power status ~~that indicates the geographic~~
15 ~~location of the UPS;~~ and
16 process information received via the communication interface to display at
17 least one of (1) a quantity of UPSs experiencing power failures in the geographic location, (2) a
18 relative quantity of UPSs experiencing power failures in the geographic location, and (3) a
19 percentage of UPSs experiencing power failures in the geographic location.

1 30. (Previously presented) The apparatus of claim 29 wherein the geographic
2 information is a physical location, global positioning satellite coordinates, a street address, a ZIP
3 CODE, a city, a county, a state, a country, or a power grid used by the UPS.